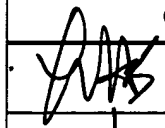
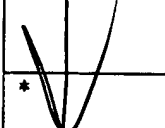
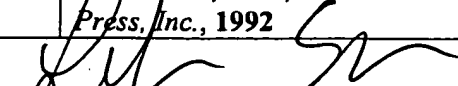





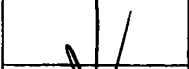

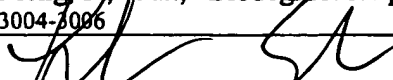
Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. UPN-4290/Q3164	Application No. 10/777,552
		Applicant Daniel A. Hammer, et al.	
		Filing Date March 15, 2004	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
1	Achilefu, S., et al., "Novel receptor-targeted fluorescent contrast agents for in vivo tumor imaging," <i>Investigative Radiology</i> , 2000, 35(8), 479-485		
2	Ahmed, F., et al., "Block copolymer assemblies with cross-link stabilization: from single-component monolayers to bilayer blends with PEO-PLA," <i>Langmuir</i> , 2003, 19, 6505-6511		
3	Becker, A., et al., "Receptor-targeted optical imaging of tumors with near-infrared fluorescent ligands," <i>Nature Biotechnol.</i> , 2001, 19, 327-331		
4	Berk, D., et al., "Detachment of agglutinin-bonded red blood cells; III. Mechanical analysis for large contact areas," <i>Biophys. J.</i> , 1991, 861-872		
5	Bermudez, H., et al., "Molecular weight dependence of polymersome membrane structure, elasticity, and stability," <i>Macromolecules</i> , 2002, 35, 8203-8208		
6	Birge, R.R., et al., Kodak Optical Products, Kodak Publication JJ-169B, <i>Kodak Laboratory Chem. Rochester, NY</i> , 1990		
7	Bo, L., et al., "Determination of bilayer membrane bending stiffness by tether formation from giant, thin-walled vesicles," <i>Biophys. J.</i> , 1989, 55, 509-517		
8	Božič, B., et al., "Role of lamellar membrane structure in tether formation from bilayer vesicles," <i>Biophys. J.</i> , 1992, 61, 963-973		
9	Bremer, C., et al., "In vivo molecular target assessment of matrix metalloproteinase inhibition," <i>Nature Medicine</i> , 2001, 7(6), 743-748		
10	Cadiot, P., et al., "Couplings of acetylenes," <i>Chemistry of Acetylenes</i> , 1969, Viehe, H.G. (Ed.), 597-647		
EXAMINER		DATE CONSIDERED 2-2-07	

* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.

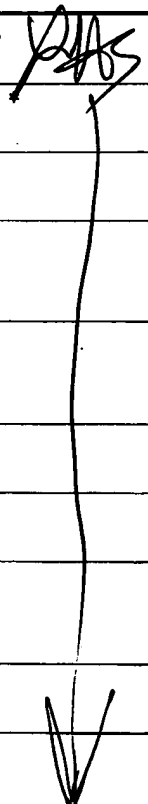
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		Filing Date March 15, 2004	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	11	Chance, B., et al., "Highly sensitive object location in tissue models with linear in-phase and anti-phase multi-element optical arrays in one or two dimensions," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, 90, 3423-3427	
	12	Chance, B., "Near-infrared images using continuous, phase-modulated, and pulsed light with quantitation of blood and blood oxygenation," in <i>Advances in Optical Biopsy and Optical Mammography</i> , 1998, 838, 29-45	
	13	Delgado, C., et al., "Coupling of poly(ethylene glycol) to albumin under very mild conditions by activation with tresyl chloride: characterization of the conjugate by partitioning in aqueous two-phase systems," <i>Biotechnology & Applied Biochemistry</i> , 1990, 12, 119-128	
	14	Delgado, C., et al., "The uses and properties of PEG-linked proteins," <i>Critical Reviews in Therapeutic Drug Carrier System</i> , 1992, 9(3,4), 249-304	
	15	DiMagno, S.G., et al., "Catalytic conversion of simple haloporphyrins into alkyl-aryl-, pyridyl-, and vinyl-substituted porphyrins," <i>J. Am. Chem. Soc.</i> , 1993, 115, 2513-2515	
	16	DiMagno, S.G., et al., "Facile synthesis of meso-tetrakis(perfluoroalkyl)porphyrins: spectroscopic properties and x-ray crystal structure of highly electron-deficient 5,10,15,20-tetrakis(heptafluoropropyl)porphyrin," <i>J. Org. Chem.</i> , 1994, 59, 6943-6948	
	17	Discher, B.M., et al., "Cross-linked polymersome membranes: vesicles with broadly adjustable properties," <i>J. of Phys. Chem. B</i> , 2002, 106, 2848-2854	
	18	Discher, B.M., et al., "Polymersomes: tough vesicles made from diblock copolymers," <i>Science</i> , 1999, 284, 1143-1146	
	19	Eglinton, G., et al., "The coupling of acetylenic compounds," <i>Adv. Org. Chem.</i> , 1963, 4, 225-276	
	20	Evans, E., et al., Detachment of agglutinin-bonded red blood cells; I. Forces to rupture molecular-point attachments," <i>Biophys. J.</i> , 1991, 59, 838-848	
EXAMINER		DATE CONSIDERED	2-2007

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. UPN-4290/Q3164	Application No. 10/777,552
		Applicant Daniel A. Hammer, et al.	
		Filing Date March 15, 2004	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	21	Evans, E., et al., "Detachment of agglutinin-bonded red blood cells; II. Mechanical energies to separate large contact areas," <i>Biophys. J.</i> , 1991, 59, 849-860	
	22	Evans, E., et al., "Adhesivity and rigidity of erythrocyte membrane in relation to wheat germ agglutinin binding," <i>J. of Cell Biology</i> , 1984, 98, 1201-1208	
	23	Evans, E., et al., "Physical properties of surfactant bilayer membranes: thermal transitions, elasticity, rigidity, cohesion, and colloidal interactions," <i>J. Phys. Chem.</i> , 1987, 91, 4219-4228	
	24	Evans, E., et al., "Interactions between polymer-grafted membranes in concentrated solutions of free polymer," <i>Langmuir</i> , 1996, 12, 3031-3037	
	25	Evans, E.A., "Detailed mechanics of membrane-membrane adhesion and separation," <i>Biophys. J.</i> , 1985, 48, 175-183	
	26	Evans, E.A., "Detailed mechanics of membrane-membrane adhesion and separation," <i>Biophys. J.</i> , 1985, 48, 185-192	
*	27	Gordon, et al., The Chemist's Companion, New York, <i>John Wiley & Sons</i> , 1972	
	28	Hajduk, D.A., et al., "Complex phase behavior in aqueous solutions of poly(ethylene oxide)-poly(ethylene block copolymers," <i>J. Phys. Chem. B</i> , 1998, 102, 4269-4276	
	29	Heinrich, V., et al., "A piconewton force transducer and its application to measurement of the bending stiffness of phospholipids membranes," <i>Annals of Biomed. Eng.</i> , 1996, 24, 595-605	
*	30	Hermanson, et al., Immobilized Affinity Ligand Techniques, New York, <i>Academic Press, Inc.</i> , 1992	
EXAMINER 		DATE CONSIDERED 2-6-07	

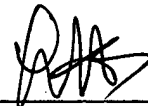

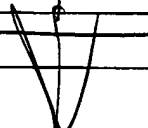
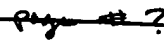

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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. UPN-4290/Q3164	Application No. 10/777,552
	Applicant Daniel A. Hammer, et al.	
	Filing Date March 15, 2004	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	31	Hillmeyer, M.A., et al., "Synthesis and characterization of model polyalkane-poly(ethylene oxide) block copolymers," <i>Macromolecules</i> , 1996, 29, 6994-7002
	32	Hillmyer, M.A., et al., "Complex phase behavior in solvent-free nonionic surfactants," <i>Science</i> , 1996, 271, 976-978
	33	Hyslop, A.G., et al., "Suzuki porphyrins: new synthons for the fabrication of porphyrin-containing supramolecular assemblies," <i>J. Am. Chem. Soc.</i> , 1998, 120, 12676-12677
	34	Jain, R.J., et al., "Dissecting tumour pathophysiology using intravital microscopy," <i>Nature, Reviews</i> , 2002, 2, 266-276
	35	Kim, D.H., et al., "The influence of tiered layers of surface-grafted poly(ethylene glycol) on receptor – ligand-mediated adhesion between phospholipids monolayer-stabilized microbubbles and coated glass beads," <i>Langmuir</i> , 2000, 16, 2808-2817
	36	Lee, et al., "Preparation, stability, and in vitro performance of vesicles made with diblock copolymers," <i>Biotechnology and Bioengineering</i> , 2001, 73(2), 135-145
	37	Lee, J.C.-M., et al., "From membranes to melts, rouse to reptation: diffusion in polymersome versus lipid bilayers," <i>Macromolecules</i> , 2002, 35, 323-326
	38	Lin, V. S.-Y., et al., "The role of porphyrin-to-porphyrin linkage topology in the extensive modulation of the absorptive and emissive properties of a series of ethynyl- and butadiynyl-bridged bis- and tris(porphinato)zinc chromophores," <i>Chem. Eur. J.</i> , 1995, 1(9), 645-651
	39	Lin, V.S.-Y., et al., "Highly conjugated, acetylenyl bridged porphyrins: new models for light-harvesting antenna systems," <i>Science</i> , 1994, 264, 1105-1111
	40	Meng, F., et al., "Biodegradable polymersomes," <i>Macromolecules</i> , 2003, 36, 3004-3006
EXAMINER 	DATE CONSIDERED 2-6-07	

* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.

Form PTO-1449 Modified		Docket No. UPN-4290/Q3164	Application No. 10/777,552
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U.S. Department of Commerce Patent and Trademark Office		Filing Date March 15, 2004	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	41	Najafi, F., et al., "Biodegradable micelles/polymersomes from fumaric/sebacic acids and poly(ethylene glycol)," <i>Biomaterials</i> , 2003, 24, 1175-1182	
	42	New, R.R.C., <i>Liposomes: A Practical Approach</i> , Rickwood, D., et al. (Eds.), The Practical Approach Series; Oxford University Press, Oxford, UK, 1997	
	43	Nilsson, K., et al., Tresyl chloride-activated supports for enzyme immobilization," <i>Methods in Enzymology</i> , 1984, 135, 65-79	
	44	Noppl-Simson, D.A., et al., "Avidin-biotin interactions at vesicle surfaces: adsorption and binding, cross-bridge formation, and lateral interactions," <i>Biophys. J.</i> , 1996, 70, 1391-1401	
	45	Ntziachristos, V., et al., "Concurrent MRI and diffuse optical tomography of breast after indocyanine green enhancement," <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97(6), 2767-2772	
	46	Patai, S., et al., The Chemistry of Functional Groups, <i>Wiley</i> , 1983, <i>Supple. C, Part 1</i> , 529-534	
	47	Photos, P.J., et al., "Polymer vesicles in vivo: correlations with PEG molecular weight," <i>J. of Controlled Release</i> , 2003, 90, 323-334	
	48	Radzicka, A., et al., "comparing the polarities of the amino acids: side-chain distribution coefficients between the vapor phase, cyclohexane, 1-octanol, and neutral aqueous solution," <i>Biochemistry</i> , 1988, 27, 1664-1670	
	49	Rosedale, J.H., et al., "Heterogeneous catalytic hydrogenation of poly(vinylethylene)," <i>J. Am. Chem. Soc.</i> , 1988, 110, 3542-3545	
	50	Rosedale, J.H., et al., "Rheology of ordered and disordered symmetric poly(ethylenepropylene)-poly(ethylene) diblock copolymers," <i>Macromolecules</i> , 1990, 23, 2329-2338	
EXAMINER		DATE CONSIDERED 2-6-07	

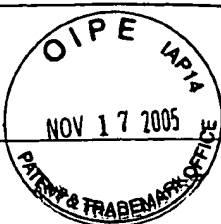
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		Filing Date March 15, 2004	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	51	Rubtsov, I.V., et al., "Ultrafast singlet excited-state polarization in electronically asymmetric ethyne-bridged Bis[(porphinato)zinc(II)] complexes," <i>J. of the Am. Chem. Soc.</i> , 2003, 125, 2687-2696	
* 	52	Streitweiser, A., et al., Introduction to Organic Chemistry, New York, Macmillan Publishing Co., 1992	
	53	Susumu, K., et al., "Decoupling optical and potentiometric band gaps in π -conjugated materials," <i>J. of the Am. Chem. Soc.</i> , 2002, 124, 8550-8552	
	54	Warriner, H.E., et al., "Lamellar biogels: fluid-membrane-based hydrogels containing polymer lipids," <i>Science</i> , 1996, 271, 969-973	
	55	Waugh, R., et al., "Local and nonlocal curvature elasticity in bilayer membranes by tether formation from lecithin vesicles," <i>Biophys. J.</i> , 1992, 61, 974-982	
	56	Weissleder, R., et al., "In vivo imaging of tumors with protease-activated near-infrared fluorescent probes," <i>Nature Biotechnology</i> , 1999, 17, 375-378	
	57	Weissleder, R., "A clearer vision for <i>in vivo</i> imaging," <i>Nature Biotechnology</i> , 2001, 19, 316-317	
	58	Weissleder, R., et al., "Shedding light onto live molecular targets," <i>Nature Medicine</i> , 2003, 9(1), 123-128	
* 	59	Yodh, A., et al., <i>Physics Today</i>, 1995 	
	60	Zalpey, A., et al., "In vivo near-infrared fluorescence imaging of osteoblastic activity," <i>Nature Biotechnology</i> , 2001, 19, 1148-1154	
EXAMINER 		DATE CONSIDERED 2-6-07	

* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

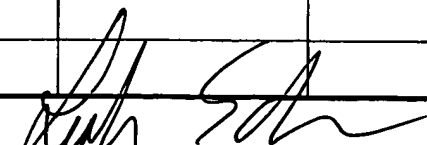
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				Confirmation No. Not Yet Assigned			
U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
RHS	61	3,975,512	08/17/76	Long	424	5	
	62	4,972,331	11/20/90	Chance	364	550	
	63	4,987,154	01/22/91	Long, Jr.	514	772	
	64	5,187,672	02/16/93	Chance, et al.	364	550	
	65	5,371,199	12/06/94	Therien, et al.	534	11	
	66	5,493,018	02/20/96	Liu, et al.	540	302	
	67	5,599,924	02/04/97	Therien, et al.	540	145	
	68	5,756,723	05/26/98	Therien, et al.	540	145	
	69	5,783,306	07/21/98	Therien, et al.	428	411.1	
	70	5,817,830	10/06/98	Therien, et al.	548	400	
	71	5,856,515	01/05/99	Therien, et al.	548	400	
	72	5,955,546	09/21/99	Bates, et al.	525	240	
	73	5,955,603	09/21/99	Therien, et al.	540	145	
	74	5,986,090	11/16/99	Therien, et al.	540	145	
	75	6,060,518	05/09/00	Kabanov, et al.	514	781	
	76	6,100,392	08/08/00	Therien, et al.	540	145	
	✓	77	6,569,528 B2	05/27/03	Nam, et al.	428	402
EXAMINER <i>RHS</i>				DATE CONSIDERED 2-6-07			

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. UPN-4290/Q3164		Application No. 10/777,552	
		Applicant Daniel A. Hammer, et al.			
		Filing Date February 12, 2004		Group 1713	
		Confirmation No. 6019			



U. S. PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Name	Class	Subclass	
AS	78	5,707,608	01/13/98	Liu	424 9.61	
J	79	6,159,445	12/12/00	Klaveness, et al.	424 9.6	
	80	2002/0044959 A1	04/18/02	Goetz, et al.	424 450	

FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Country	Translation		
				YES	NO	

EXAMINER 	DATE CONSIDERED 2-6-07
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